

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	EOD ELIDATUED	Netice of Terror	-in-l-Class-size-l-Casa-l-Dan-st	
PIA30210/ETR	FOR FURTHER ACTION	(Form PCT/ISA/220) as v	mittal of International Search Report well as, where applicable, item 5 belo	
International application No.	International filing date	e (day/month/year)	(Earliest) Priority Date (day/mo	nth/year)
PCT/KR 03/00628	28 March 2003	(28.03.2003)	19 November 2002 (19.11.2002)
Applicant				,
ELECTRONICS AND TELEC	COMMUNICATION	ONS RESEARCH	INSTITUTE et al.	
		10		
This international search report has bee according to Article 18. A copy is bein			ithority and is transmitted to the a	applicant
This international search report consist	s of a total of 4	sheets.		
It is also accompani	ed by a copy of each	prior art document cited	in this report.	
1. Basis of the report				
a. With regard to the language, language in which it was file			e basis of the international applic	cation in the
the international search Authority (Rule 23.1(b)		e basis of a translation o	f the international application furn	nished to this
b. With regard to any nucleotic search was carried out on the			he international application, the i	international
contained in the internal	tional application in w	vritten form.		
filed together with the in	nternational application	on in computer readable	form.	
furnished subsequently	to this Authority in w	ritten form.		
furnished subsequently	to this Authority in co	omputer readable form.		
the statement that the su international application as fi			does not go beyond the disclosur	re in the
the statement that the in been furnished.	formation recorded in	n computer readable form	n is identical to the written seque	nce listing has
2. Certain claims were fo	ound unsearchable (S	See Box I).		İ
3. Unity of invention is la	acking (See Box II).			
4. With regard to the title,				
the text is approved as s	submitted by the appli	icant.		
the text has been estable	ished by this Authorit	y to read as follows:		
5. With regard to the abstract,				
the text is approved as	submitted by the appli	icant.		
			ority as it appears in Box III. The here report, submit comments to this	
6. The figure of the drawings to be	published with the ab	ostract is Figure No.:	5	
as suggested by the app	licant.		None of the figur	RECEIVED
because the applicant fa	ailed to suggest a figu	re.		2004. 1. 2 9
because this figure bett	er characterizes the in	vention.		FIRST LAW
Form PCT/ISA/210 (first sheet) (July	1998)		· · · · · · · · · · · · · · · · · · ·	OHICES



International application No. PCT/KR 03/00628-0

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An apparatus for protecting legitimate traffic from DoS and DDoS attacks has a highpriority (505) and a low-priority (506) queue. Besides, a queue information table (402) has STT (source-based Traffic Trunk) service queue information of a specific packet. A queue coordinator (502) updates the queue information table (502) based on a load of a provided STT and a load of the high-priority queue (505). a packet classifier (504) receives a packet from the network access unit (508), investigates an STT service queue of the packet from the queue information table (502), selectively transfers the packet to the high-priority (505) or the low-priority (506) queue and provides information on the packet to the queue coordinator (503). A buffer (507) buffers outputs of the high-priority (505) and the lowpriority (506) queue and provides outputs to the network (509) to be protected.



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	SSIFICATION OF SUBJECT MATTER			
IPC': H	04L 12/56			
	to International Patent Classification (IPC) or to both nati	onal classification and IPC		
	LDS SEARCHED documentation searched (classification system followed b	y classification symbols)		
IPC ⁷ : H				
Document	ation searched other than minimum documentation to the	extent that such documents are included in	the fields searched	
Electronic	data base consulted during the international search (name	of data base and, where practicable, search	h terms used)	
WPI, E	PODOC, PAJ, Elsevier, IEE, IEEE, IEE	EXplore		
C. DO	CUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document, with indication, where appropriate,	of the relevant passages	Relevant to claim No.	
X	Li S, Bhargava B. 'Active gateway: a facility for video conferencing traffic control.' In: Computer Software and Applications Conference, 1997. COMPSAC '97. Proceedings., The Twenty-First Annual International Washington, DC, USA 13-15 Aug. 1997, Los Alamitos, CA, USA, IEEE Comput. Soc, US. pages: 308-311.			
X	Jun Xu, Singhal M, Degroat J. 'A novel support layer-four packet classification In: INFOCOM 2000. Nineteenth Annua IEEE Computer and Communications IEEE Tel Aviv, Israel 26-30 March 200 IEEE, US. pages 1445-1454.	at memory access speeds.' Il Joint Conference of the Societies. Proceedings.	1-15	
F	ther documents are listed in the continuation of Box C.	See patent family annex.		
* Species Consider Co	al categories of cited documents: ment defining the general state of the art which is not dered to be of particular relevance or application or patent but published on or after the international date ment which may throw doubts on priority claim(s) or which is to establish the publication date of another citation or other al reason (as specified) ment referring to an oral disclosure, use, exhibition or other s ment published prior to the international filing date but later than riority date claimed	"T" later document published after the interna date and not in conflict with the application the principle or theory underlying the inventor of particular relevance; the claim considered novel or cannot be considered when the document is taken alone "Y" document of particular relevance; the claim considered to involve an inventive step with combined with one or more other such do being obvious to a person skilled in the a "&" document member of the same patent fam	on but cited to understand ention med invention cannot be to involve an inventive step med invention cannot be when the document is occuments, such combination rt mily	
	the actual completion of the international search	Date of mailing of the international search		
	26 November 2003 (26.11.2003)	21 January 2004 (21	.01.2004)	
	nd mailing adress of the ISA/AT an Patent Office	Authorized officer		
	an Patent Office ner Straße 87, A-1200 Vienna	MESA PASCAS	SIO J.	
1	le No. 1/53424/535	Telephone No. 1/53424/327		
	T/ISA/210 (second sheet) (July 1998)			

INTER TIONAL SEARCH REPORT Information on patent family members

International application No. PCT/KR 03/00628-0

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
A	none		
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